

**AMENDMENTS TO THE ABSTRACT:**

Please amend the Abstract as follows:

Abstract of the Disclosure

A method of determining face sub-spaces. ~~The method comprises~~ includes making initial estimates of the sub-spaces, for example lighting, pose, identity and expression, using Principle Component Analysis on appropriate groups of faces. ~~The method further comprises applying an~~ An iterative algorithm is applied to image codings to ~~maximise~~ maximize the probability of coding across these non-orthogonal sub-spaces, obtaining the projection on each sub-space, and recalculating the spaces.